AMENDMENTS TO THE ABSTRACT

Please replace the Abstract with the following:

ABSTRACT OF THE DISCLOSURE

To provide a CO_2 incubator capable of accurately controlling the CO_2 gas concentration in an incubation space and quickly coping with a sudden change of CO_2 gas concentrations in the incubation space.

A CO_2 gas sensor [[6]] for detecting the CO_2 concentration in an incubation space [[s]], a control panel for setting a CO_2 gas concentration, a CO_2 gas cylinder [[10]] and electromagnetic switching valve [[9]] for supplying CO_2 gas into the incubation space [[s]], and a CO_2 gas concentration controller [[11]] for controlling the electromagnetic switching valve [[9]] are used in which the controller [[11]] executes operations of proportion, proportion and integration, or proportion, integration, and differentiation in accordance with a deviation between the CO_2 gas concentration in the incubation space s and a CO_2 gas concentration set value, calculates the CO_2 gas supply time and the stop time for unit time to the incubation space [[s,]] and supplies CO_2 gas to the incubation space [[s]] from the CO_2 gas cylinder [[10]] in accordance with the calculated supply time and stop time.